



1652  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of  
HAUER et al.

)  
) Art Unit: 1652

Serial No. 10/031,695

)  
) Examiner: PAK, Yong D.

Filed: January 23, 2002

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)

For: MODIFIED CYTOCHROME MONOOXYGENASES

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

This subject information disclosure statement is submitted in connection with applicants'  
continuing duty of disclosure under 37 CFR 1.56.

Listing of Relevant Documents

The relevant documents are listed in the attached Form PTO-1449.

REMARKS


This supplemental IDS is filed in response to the examiner's remarks in the office action  
mailed May 24, 2004.

The following is a "concise explanation of the relevance in the English language" of  
Bornscheuer "Gerichtete Evolution von Enzymen" Angew. Chem. Vol. 110, 370(1998) pages  
3285-3288, as provided for in 37 CFR 1.98(a)(3).

As explained on page 12, lines 16 to 19 of applicants' specification there exist  
two different strategies in protein engineering for generating variants with  
modified enzymatic properties: The first strategy is the so-called "rational design"  
method and the second is the so-called "directed evolution" method. The

publication of Bornscheuer describes the principle of said second strategy.  
Entry is respectfully solicited.

Respectfully submitted,  
KEIL & WEINKAUF

  
Norman G. Torchin  
Reg. No. 34,068

1350 Connecticut Ave., N.W.  
Washington, D.C. 20036  
(202)659-0100



Form PTO-1449

Document Number

Sheet 1 of 1  
Application Number  
10/031,695INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

Applicant HAUER et al.

Filing Date  
1/23/02Group Art Unit  
1652

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS						
Exam. Init.	Document Number	Date	Name	Class	Sub- Class	Filing Date

FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Sub- Class	Filing Date

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Gerichtete Evolution von Enzymen, Bornscheuer, Angew Chem. 1998, 110, Nr. 22, 3285-3288

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	

KEIL & WEINKAUF  
1350 Connecticut Avenue, N.W.  
Washington, D.C. 20036